



STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Administrator

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: PERI & SONS FARMS, INC
430 HWY 339
YERINGTON, NV - 89447

Permit Number: NS2014505

Location: PERI & SONS FARMS LABOR HOUSING, LYON
8 EAST PURSEL LANE, YERINGTON, NV - 89447
LATITUDE: 38.941195, LONGITUDE: -119.140249
TOWNSHIP: T13N, RANGE: R25E, SECTION: S36

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	TANK #1 (1,500 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942686	-119.140661	GROUNDWATER
002	TANK #2 (1,500 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942014	-119.141075	GROUNDWATER
003	TANK #3 (1,500 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942014	-119.140969	GROUNDWATER
004	TANK #4 (1,500 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942017	-119.140647	GROUNDWATER
005	TANK #5 (1,500 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942022	-119.140542	GROUNDWATER
006	TANK #6 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.941497	-119.141253	GROUNDWATER
007	TANK #7 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.941550	-119.141028	GROUNDWATER
008	TANK #8 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.941550	-119.140839	GROUNDWATER
009	TANK #9 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.941547	-119.140592	GROUNDWATER
010	TANK #10 (1,500 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942478	-119.141356	GROUNDWATER
011	TANK #11 (1,500 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942408	-119.141114	GROUNDWATER
012	TANK #12 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.9429	-119.141758	GROUNDWATER
013	TANK #13 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942622	-119.141772	GROUNDWATER
014	TANK #14 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942314	-119.141756	GROUNDWATER
015	TANK #15 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.942086	-119.141742	GROUNDWATER
016	TANK #16 (2,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.941861	-119.141747	GROUNDWATER
017	TANK #17 (3,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.940636	-119.141425	GROUNDWATER
018	TANK #18 (3,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.940522	-119.141411	GROUNDWATER
019	TANK #19 (3,000 GAL)	External Outfall		YERINGTON	NV	89447	LYON	38.940414	-119.141425	GROUNDWATER
020	COMBINED INFLUENT FLOWS	Influent Structure		YERINGTON	NV	89447	LYON	38.942014	-119.141075	GROUNDWATER

General:

The Permittee is proposing to continue discharging from their onsite sewage disposal systems (OSDS) at the Peri and Sons Farms Labor Housing Facility, located in Yerington, Nevada. Peri and Sons owns 78 acres of farmland and operates a Labor Housing Facility (LHF) on the east end of the property, used mostly by seasonal farm workers and some year-round employees. The LHF discharges domestic sewage to gravity-fed systems consisting of 19 septic tanks and associated leach fields located throughout the property. The total capacity of the septic tanks on the property is 37,500 gallons. The discharge activities were previously covered under general permit GNEV9201 and temporary permit TNEV2006472. The Division is requiring the Permittee to seek coverage under an individual permit because the total capacity of the septic system is greater than 15,000 gallons.

Discharge Characteristics:

The LHF is comprised of year-round employee housing, seasonal employee housing, and shower and laundry facilities. The seasonal employees are housed at the facility from the beginning of August to the end of October. The discharge from the seasonal employee housing is primarily "grey water," consisting of shower and sink drain water. Peri and Sons has provided portable toilets for the seasonal staff, thus greatly reducing the amount of sewage that is discharged to the disposal fields. The septage from the portable toilets and septic tanks are land applied at Peri and Sons McMaster Ranch Field #16 (NS2007511).

Receiving Water:

Receiving water is groundwater of the State. The depth to groundwater is reported to be approximately 35 feet below ground surface and flows to the north. The facility is located in a southern portion of Mason Valley and is surrounded by agricultural activity. Typically, agriculture's use of fertilizer and manure to grow their crops have shown impacts to the shallow groundwater aquifers in farming areas. To prevent additional degradation of the shallow groundwater aquifer from sewage disposal activities, Peri and Sons uses portable toilets for their seasonal staff, which reduces the nitrate loading to the system. Due to the fact that portable toilets are used, the majority of the sewage flows are seasonal, and impacts to the groundwater are already occurring from agricultural activities, NDEP is not requiring the installation of monitoring wells. If the Permittee expands their OSDS system, or if the seasonal staff is hired full time, NDEP may require monitoring wells in the future.

Summary of Changes From Previous Permit:

This is a new permit.

Proposed Effluent Limitations:

During the period beginning on the effective date of this permit and lasting until the permit expires, the Permittee is authorized to discharge OSDS effluent from 19 septic tanks to groundwater via leach fields.

The Permittee shall monitor the depth of sludge, scum, and total liquids in all septic tanks at least once a year. Septic tanks shall be pumped when the combined scum and sludge depth is equal to or greater than 50% of the total liquid depth. In lieu of this monitoring requirement, the Permittee may submit documentation every year showing that the septic tanks have been pumped by a licensed septage hauler in the previous 12 months.

WWTP Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Monthly Average	M&R Million Gallons per Day (Mgal/d)		See Footnote ^[1]	001	Continuous	METER

Notes (WWTP Discharge Limitations Table):

1. Monitor and report the water usage rate for the Labor Housing Facility.

Rationale for Permit Requirements:

NAC 445A.9632 requires the submittal of an annual report to the Division.

NAC 445A.286 and 445A.289 requires a Grade I Wastewater Operator to oversee OSDS systems greater than 10,000 gallons in capacity.

Special Conditions:

The Permittee shall operate the facility in compliance with permit provisions and requirements and in accordance with the March 2013 Division-approved Operation and Maintenance (O&M) Manual. Any updates to the O&M Manual shall be submitted to the Division.

SA – Special Approvals / Conditions Table

Item #	Description
1	Septic tank treatment and disposal systems shall be used only for the treatment of domestic sewage. The discharge of toxic, hazardous, industrial, or laboratory waste material to any permitted OSDS is strictly prohibited.
2	The Permittee shall conduct regular and routine inspections and maintenance in accordance with the Division-approved O&M Manual.
3	In accordance with NAC 445A.9632, the Permittee shall submit an Annual Large-Capacity Septic System Evaluation Report to the Division on or before January 28th of each year. The depth of scum, sludge, and total liquid in all septic tanks shall be measured every year and reported as the annual report. Measurements may be made at any time during the 12 month reporting period. The Annual Large-Capacity Septic System Evaluation Report shall be filled out and signed by the Grade I Operator overseeing the facility.
4	Septic tanks shall be pumped by a licensed septage hauler whenever the combined depth of scum and sludge equals or exceeds 50% of the total liquid depth, or more frequently as necessary to maintain efficient solids removal. The date, tank number, volume of septage removed, and the name of the septage hauler shall be maintained onsite in accordance with Part A.11. of the permit. Sludge disposal shall be in accordance with applicable regulations.
5	The rated treatment capacity of each septic tank shall not be exceeded.
6	Surfacing of any substance from a septic system is strictly prohibited.

Flow:

The Permittee is required to monitor and report the monthly average water usage for the LHF. The Bureau of Water Pollution Control permit fee is based on the total capacity of the septic system (37,500 gallons).

Corrective Action Sites:

There are no Bureau of Corrective Actions remediation sites located within one mile of this facility.

Wellhead Protection Program:

The facility is not within an established Drinking Water Protection Area or Wellhead Protection Area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

There are no Schedule of Compliance items

Deliverable Schedule:

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Annual Large-Capacity Septic System Evaluation Report	Annually	1/28/2015

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Mason Valley News and Reno Gazette Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **8/1/2014** , a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination:

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Jason Ferrin**

Date: **6/19/2014**

Title: **E.I., Staff II Associate**